



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025-1855

September 17, 2004

Dr. Roger C. Westman  
Department of Air Quality  
Bureau of Air Pollution Control  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

U.S. Environmental Protection Agency  
Region III  
Air, Radiation & Toxics Division  
1650 Arch Street  
Philadelphia, PA 19103-2029  
ATTN: James W. Hagedorn (3AT23)

Assistant Council  
Department of Environmental Protection  
Southwest Region  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745  
ATTN: Steve Hepler

Department of Justice  
Environmental and Natural Resource Division  
Environmental Enforcement Section  
P.O. Box 7611  
Ben Franklin Station  
Washington, D.C. 20044  
ATTN: David Street, Esq.

Subject: USS Reference Number: 04-0189  
ACHD Reference Number: 6588  
600 Carbonate Unit  
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject incident. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

A handwritten signature in black ink, appearing to read 'Anton Lukac', written over a horizontal line.

Anton Lukac  
Plant Manager  
Clairton Works

NOTICE OF OUTAGE OF EQUIPMENT  
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 04-0189  
ACHD Reference Number: 6588
2. Date & Time of Breakdown: Date: 09/14/04 Time: 1130 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: 600 Carbonate Unit
5. BAPC Permit Number (if applicable):
6. Location: Clairton, PA
7. Nature and cause of breakdown: Operational problems occurred at the 600 Vacuum Carbonate Unit and coke oven gas was passed through the Sulfur Plant. The root cause was traced to a level indicator for the carbonate absorber's sodium carbonate solution.
8. Identification of Emissions:
  - A. Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)  
Elevated H<sub>2</sub>S in the down river gas line system, causing increased SO<sub>2</sub> at point of combustion.
  - B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO<sub>2</sub> is an eye, nose, and throat irritant.
  - C. Amount of each type emitted (or likely to be emitted).  
Light
9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).  
The system was stabilized and the repairs were completed.
10. Facility back in operation - Date: 09/14/04 Time: 1150 hours

Signature Coleen M. Davis Date 9-17-04  
Coleen M. Davis  
Senior Environmental Control Engineer Phone: 233-1015